

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of the claims in the Application. With reference to the listing it is noted that, herewith, claims 1-12 are amended. No new matter has been added.

Listings of Claims

1. (Currently Amended) A method for effectively using network resources, comprising:
 - forwarding to a reception group a service corresponding to said reception group;
 - and
 - upon a change in the cellular distribution of the reception group, deciding whether a subset of said reception group should receive said service via a unicast link or via a multicast link, wherein said deciding takes into account relationship information received from one or more members of the reception group, wherin the relationship information received from each of said one or more members comprises indication of one or more a plurality of cells with which the one or more members are that member is capable of communicating,
 - wherein the change in the cellular distribution of the reception group comprises at least one member of the reception group establishing relationship with one or more first cells and severing relationship with one or more second cells.

2. (Currently Amended) A method for effectively using network resources, comprising:
 - forwarding to a reception group a service corresponding to said reception group;
 - and
 - upon a change in the composition of the reception group, deciding whether a

subset of said reception group should receive said service via a unicast link or via a multicast link, wherein said deciding takes into account relationship information received from one or more members of the reception group, wherein the relationship information received from each of said one or more members comprises indication of one or more a plurality of cells with which the one or more members are that member is capable of communicating,

wherein the change in the composition of the reception group does not result in there being no terminals in the reception group.

3. (Currently Amended) A method for effectively using network resources, comprising:

forwarding to a reception group a service corresponding to said reception group;
selecting from among available cellular distributions for said reception group,
wherein the available cellular distributions comprise one or more different possibilities for at least one member of the reception group establishing relationship with one or more a plurality of first cells and severing relationship with one or more a plurality of second cells; and

deciding whether a subset of said reception group should receive said service via a unicast link or via a multicast link;

wherein said steps of selecting and deciding are performed upon a change in the physical location of a member of said group.

4. (Currently Amended) A method for effectively using network resources, comprising:

forwarding to a reception group a service corresponding to said reception group;
selecting from among available cellular distributions for said reception group,
wherein the available cellular distributions comprise one or more different possibilities for at

least one member of the reception group establishing relationship with one or more a plurality of first cells and severing relationship with one or more a plurality of second cells; and

deciding whether a subset of said reception group should receive said service via unicast or via multicast;

wherein said steps of selecting and deciding are performed upon a change in the composition of the reception group.

5. (Currently Amended) A method for effectively using network resources, comprising:

forwarding to a reception group a service corresponding to said reception group;

and

upon a change in the cellular distribution of the reception group, deciding whether a subset of said reception group should receive said service via a unicast link or via a multicast link, wherein said deciding takes into account relationship information received from one or more members of the reception group, wherein the relationship information received from each of said one or more members comprises indication of one or more a plurality of cells with which the one or more members are that member is capable of communicating,

wherein the change in the cellular distribution of the reception group comprises at least one member of the reception group establishing relationship with one or more first cells and severing relationship with one or more second cells, and

wherein said step of deciding further comprises determining the ideality of each option.

6. (Currently Amended) A method for effectively using network resources, comprising:

forwarding to a reception group a service corresponding to said reception group;
and

upon a change in the composition of the reception group, deciding whether a subset of said reception group should receive said service via a unicast link or via a multicast link, wherein said deciding takes into account relationship information received from one or more members of the reception group, wherein the relationship information received from each of said one or more members comprises indication of one or more a plurality of cells with which the one or more members are that member is capable of communicating,

wherein the change in the composition of the reception group does not result in there being no terminals in the reception group,

wherein said step of deciding further comprises determining the ideality of each option.

7. (Currently Amended) A system for effectively using network resources, comprising:

a memory having program code stored therein; and

a processor operatively connected to said memory for carrying out instructions in accordance with said stored program code;

wherein said program code, when executed by said processor, causes said processor to perform the steps of:

forwarding to a reception group a service corresponding to said reception group;

and

upon a change in the cellular distribution of the reception group, deciding whether a subset of said reception group should receive said service via a unicast link or via a multicast

link, wherein said deciding takes into account relationship information received from one or more members of the reception group, wherein the relationship information received from each of said one or more members comprises indication of one or more a plurality of cells with which the one or more members are that member is capable of communicating,

wherein the change in the cellular distribution of the reception group comprises at least one member of the reception group establishing relationship with one or more first cells and severing relationship with one or more second cells.

8. (Currently Amended) A system for effectively using network resources, comprising:

a memory having program code stored therein; and

a processor operatively connected to said memory for carrying out instructions in accordance with said stored program code;

wherein said program code, when executed by said processor, causes said processor to perform the steps of:

forwarding to a reception group a service corresponding to said reception group;

and

upon a change in the composition of the reception group, deciding whether a subset of said reception group should receive said service via a unicast link or via a multicast link, wherein said deciding takes into account relationship information received from one or more members of the reception group, wherein the relationship information received from each of said one or more members comprises indication of one or more a plurality of cells with which the one or more members are that member is capable of communicating,

wherein the change in the composition of the reception group does not result in

there being no terminals in the reception group.

9. (Currently Amended) A system for effectively using network resources, comprising:

- a memory having program code stored therein; and
- a processor operatively connected to said memory for carrying out instructions in accordance with said stored program code;

wherein said program code, when executed by said processor, causes said processor to perform the steps of:

- forwarding to a reception group a service corresponding to said reception group;
- selecting from among available cellular distributions for said reception group, wherein the available cellular distributions comprise one or more different possibilities for at least one member of the reception group establishing relationship with ~~one or more a plurality of~~ first cells and severing relationship with ~~one or more a plurality of~~ second cells; and
- deciding whether a subset of said reception group should receive said service via a unicast link or via a multicast link;

wherein said steps of selecting and deciding are performed upon a change in the physical location of a member of said group.

10. (Currently Amended) A system for effectively using network resources, comprising:

- a memory having program code stored therein; and
- a processor operatively connected to said memory for carrying out instructions in accordance with said stored program code;

wherein said program code, when executed by said processor, causes said

processor to perform the steps of:

forwarding to a reception group a service corresponding to said reception group;

selecting from among available cellular distributions for said reception group,
wherein the available cellular distributions comprise one or more different possibilities for at
least one member of the reception group establishing relationship with one or more a plurality of
first cells and severing relationship with one or more a plurality of second cells; and

deciding whether a subset of said reception group should receive said service via
a unicast link or via a multicast link;

wherein said steps of selecting and deciding are performed upon a change in the
composition of the reception group.

11. (Currently Amended) A system for effectively using network resources, comprising:

a memory having program code stored therein; and

a processor operatively connected to said memory for carrying out instructions in
accordance with said stored program code;

wherein said program code, when executed by said processor, causes said
processor to perform the steps of:

forwarding to a reception group a service corresponding to said reception group;
and

upon a change in the cellular distribution of the reception group, deciding whether
a subset of said reception group should receive said service via a unicast link or via a multicast
link, wherein said deciding takes into account relationship information received from one or
more members of the reception group, wherein the relationship information received from each

of said one or more members comprises indication of one or more a plurality of cells with which
the one or more members are that member is capable of communicating,

wherein the change in the cellular distribution of the reception group comprises at least one member of the reception group establishing relationship with one or more first cells and severing relationship with one or more second cells, and

wherein said step of deciding further comprises determining the ideality of each option.

12. (Currently Amended) A system for effectively using network resources, comprising:

a memory having program code stored therein; and

a processor operatively connected to said memory for carrying out instructions in accordance with said stored program code;

wherein said program code, when executed by said processor, causes said processor to perform the steps of:

forwarding to a reception group a service corresponding to said reception group;

and

upon a change in the composition of the reception group, deciding whether a subset of said reception group should receive said service via a unicast link or via a multicast link, wherein said deciding takes into account relationship information received from one or more members of the reception group, wherein the relationship information received from each of said one or more members comprises indication of one or more a plurality of cells with which the one or more members are that member is capable of communicating,

wherein the change in the composition of the reception group does not result in

there being no terminals in the reception group,

wherein said step of deciding further comprises determining the ideality of each option.

13. (Original) A method as in any of claims 1-6, wherein said deciding takes into account the bandwidth used and the spectral spectrum efficiency factor of each access system.

14. (Original) A system as in any of claims 7-12, wherein said deciding takes into account the bandwidth used and the spectrum efficiency factor of each access system.

15. (Original) A method as in any of claims 1-6, wherein said deciding takes into account the bandwidth used and the per-unit-cost of that bandwidth.

16. (Original) A system as in any of claims 7-12, wherein said deciding takes into account the bandwidth used and the per-unit-cost of that bandwidth.

17. (Original) A method as in any of claims 1-6, wherein said deciding takes into account the percentage of total available link bandwidth used and the percentage of terminals using the link that would be served by using the bandwidth.

18. (Original) A system as in any of claims 7-12, wherein said deciding takes into account the percentage of total available link bandwidth used and the percentage of terminals using the link that would be served by using the bandwidth.

19. (Original) A method as in any of claims 1-6, further comprising receiving a join indication from a terminal.

20. (Original) A system as in any of claims 7-12, wherein said processor additionally performs the step of receiving a join indication from a terminal.

21. (Original) The method of claim 19, wherein said join indication comprises a specification of the terminal's network interfaces.

22. (Original) The method of claim 19, wherein said join indication comprises a specification of the networks currently available to the terminal.

23. (Original) The method of claim 19, wherein said join indication comprises a specification of a desired start time for reception of transmissions.

24. (Original) The method of claim 19, wherein said join indication comprises a specification of a desired stop time for ceasing reception of transmissions.

25. (Original) The system of claim 20, wherein said join indication comprises a specification of the terminal's network interfaces.

26. (Original) The system of claim 20, wherein said join indication comprises a specification of

the networks currently available to the terminal.

27. (Original) The system of claim 20, wherein said join indication comprises a specification of a desired start time for reception of transmissions.

28. (Original) The system of claim 20, wherein said join indication comprises a specification of a desired stop time for ceasing reception of transmissions.